

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-211402

(43)Date of publication of application : 20.08.1993

(51)Int.Cl.

H01P 1/203

H01P 3/08

H01P 5/08

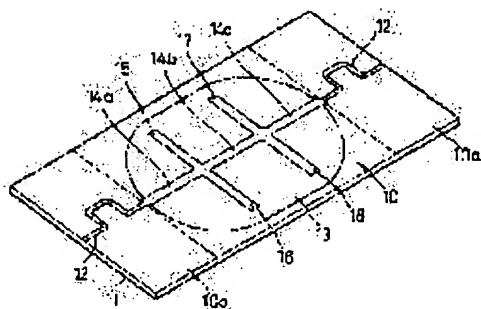
(21)Application number : 04-016004

(71)Applicant : FURUKAWA ELECTRIC CO  
LTD:THE

(22)Date of filing : 31.01.1992

(72)Inventor : SUDO KATSUMI  
YUGAWA KIYOSHI  
TANAKA MITSUGI

## (54) DISTRIBUTED CONSTANT TYPE CIRCUIT



(57)Abstract:

PURPOSE: To reduce a change in a characteristic due to variance in a line width by forming part of a dielectric board with a dielectric body whose dielectric constant differs from a prescribed dielectric constant of the board. CONSTITUTION: A filter circuit 13 is formed on a dielectric ceramic board 10. The filter circuit 13 consists of main lines 14a, 14b, 14c and stubs 15-18 whose end is open are formed to the lines 14a, 14b, 14c. Moreover, the ceramic board 10a is a board whose dielectric constant is lower than that of the dielectric ceramic board 10 and a transformer 12 is formed on the base 10a. Through the constitution above, the line width is made thick without changing the characteristic impedance of the transformer 12 by using a dielectric material whose dielectric constant is lower than that of a filter for the transformer whose line width is thin and the characteristic is made stable against the dispersion in the line width in the manufacture of strip lines.

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than  
the examiner's decision of rejection or  
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision  
of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office